



## **WATER MANAGEMENT MONTHLY REPORT**

### **Information Exchange Bulletin**

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### **RESERVOIR OPERATION AND SYSTEM STATUS FOR JUN 2002**

**HIGHLIGHTS** – Cairo stage began the month at 45.6 feet and ended at 21.6 feet and was falling slowly. Flood stage at Cairo is 40.0 feet. Excess flood storage left over from May was evacuated during June.

**WEATHER** –The weather during June was hot and dry. This is a complete switch from the cool and very wet month of May as weather patterns shifted to a mid summer type pattern and most frontal activity moved well to the north. Temperatures averaged 1-2 degrees above normal for the month. Rainfall was primarily in the form of scattered showers. Driest areas were in Tennessee and south. Some scattered areas did receive above normal rainfall and were mostly in southern Ohio, northern West Virginia and Pennsylvania.

### **TEMPERATURE AND PRECIPITATION – JUN 2002**

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	70.6	+2.2	2.63	-1.49
Charleston, WV	72.8	+2.3	3.60	-0.49
Columbus, OH	73.5	+2.3	3.47	-0.60
Cincinnati, OH	72.9	+0.9	3.56	-0.86
Louisville, KY	75.1	+0.9	3.32	-0.44
Indianapolis, IN	73.8	+2.1	3.11	-1.02

Evansville, IN	76.3	+1.5	2.87	-1.23
Nashville, TN	76.9	+1.8	3.76	-0.32

**STREAMFLOW** -- Ohio River monthly average flows for June ranged from a low of 112 percent of normal at Paducah, KY to a high of 130 percent of normal at Louisville, KY. Daily flows ranged from a low of 24 percent of normal at Evansville, IN to a high of 298 percent of normal at Huntington, WV.

The following table presents the flow data summary for June at the Ohio River Index Stations:

**FLOW DATA – JUN 2002**

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	29,700	125	288	39
Huntington, WV	69,200	122	298	44
Cincinnati, OH	85,200	113	288	30
Louisville, KY	104,000	130	284	28
Evansville, IN	113,600	114	230	24
Paducah, KY	217,200	112	217	38

**RESERVOIRS** -- June started with 5.3% utilization of the total system flood control storage and ended the month at 1.6%. System-wide augmentation storage decreased slightly from 98.5% at the beginning of the month to 98.4% by the end of the month. Significant flood storage utilization in excess of 25% occurred at: East Branch Clarion, Mahoning Creek, Mosquito Creek, C. M. Harden, Cagles Mills and Patoka reservoirs, and in excess of 50% at Monroe reservoir.

The following table depicts storage change by tributary reservoir subsystem for June:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
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Allegheny-Monongahela-Beaver	-33,000
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-42,000
Twelvepole-Big Sandy-Little Sandy-Scioto	-700
Little Miami-Licking-Mill Creek-Great Miami	-48,700
Kentucky-Salt-Green-Wabash	-296,800
Cumberland	-428,100
<b>TOTAL</b>	<b>-849,300</b>

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